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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/624,285	07/24/2000	Michael Maguire	555255012115	6347

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EXAMINER

STORK, KYLE R

ART UNIT	PAPER NUMBER
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2178

DATE MAILED: 07/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/624,285

Applicant(s)

MAGUIRE, MICHAEL

Examiner

Kyle R. Stork

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 22-50 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 22-50 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

1. This non-final office action is in response to the request for continued examination filed 18 April 2006 and the declaration filed 15 March 2006.
2. Claims 22-50 are pending. Claims 22, 34, and 45 are independent claims. The rejection of claims 22-50 under 35 U.S.C. 103 under Bickmore et al. (EP 0949571, published 13 October 1999) and further in view of Nicholas et al. (US 6593944, filed 18 May 2000), and further in view of Baecker et al. (US 5479062, patented 26 December 1995) has been withdrawn in view of the declaration.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 22-30, 32-41, and 43-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bickmore et al. (EP 0949571, published 13 October 1999, hereafter Bickmore) and further in view of Bickmore et al. ("Web Page Filtering and Re-Authoring for Mobile Users," 21 April 1999, hereafter Mobile).

In regard to independent claim 22, Bickmore discloses A method of providing an information page to a handheld viewing device, comprising the steps of: requesting an information page at the handheld viewing device (Bickmore Paragraph 22 Line 3); retrieving the information page from a remote system (Bickmore Paragraph 29 Line 13).

Bickmore does not specifically mention if the information page includes a plurality of frames, then generating an abbreviated version of the information page, and an image map; and transmitting the abbreviated version of the information page to the handheld viewing device. However, Mobile teaches determining a frame layout associated with said multi-frame Web Page; generating a frame representation for indicating said frame layout, wherein said frame representation includes a plurality of geometric frame identifiers each corresponding to a corresponding frame of said plurality of frames, each geometric frame identifier being configured for individual selection by a user; displaying said frame representation on said electronic display device such that said user can select anyone of said plurality of geometric frame identifiers to view corresponding one of said plurality of frames; and displaying on said electronic display device a selected frame corresponding to a selected geometric frame identifier in response to said user selecting said selected geometric frame identifier (page 538, right column, paragraph 3: Here, a table, as described, is a multi-frame web page; Further, the frames are divided into sub-pages containing the original content; page 538, right column, paragraph 5- page 539, left column: Here, an image map of the content of the page is presented in a scaled version that links to the original data). It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Mobile to Bickmore, providing Bickmore the benefit of making an abbreviated frame representation of the original web site and allowing the user to select frame identifiers for each frame so the user can easier view sections of the web site on a smaller display.

In regard to dependent claim 23, Bickmore discloses providing a gateway device for receiving the request from the handheld viewing device (Bickmore Paragraph 77 Line 34) and for retrieving the information page from the remote system. (Bickmore Paragraph 29 Line 13)

In regard to dependent claim 24, Bickmore discloses coupling the gateway device to the handheld viewing device via a wireless network. (Bickmore Paragraph 73 Lines 1-3)

In regard to dependent claim 25, Bickmore discloses coupling the gateway device to the remote system via a wired network. (Bickmore Paragraph 100 Line 26)

In regard to dependent claim 26, Bickmore discloses wherein the wired network is the Internet, and the remote system is a world-wide-web server. (Bickmore Paragraph 24 Line 53-56)

In regard to dependent claim 27, Bickmore discloses wherein the information page is a web page. (Bickmore Paragraph 118 Line 24 i.e. Web document)

In regard to dependent claim 28, Bickmore discloses wherein the gateway device stores the information page in a cache (Bickmore Paragraph 116 Line 9)

Bickmore does not specifically mention generating the abbreviated version thereof, including the image map. However, Mobile mentions determining a frame layout associated with said multi-frame Web Page; generating a frame representation for indicating said frame layout, wherein said frame representation includes a plurality of geometric frame identifiers each corresponding to a corresponding frame of said plurality of frames, each geometric frame identifier being configured for individual

selection by a user; displaying said frame representation on said electronic display device such that said user can select anyone of said plurality of geometric frame identifiers to view corresponding one of said plurality of frames; and displaying on said electronic display device a selected frame corresponding to a selected geometric frame identifier in response to said user selecting said selected geometric frame identifier (page 538, right column, paragraph 3; page 538, right column, paragraph 5- page 539, left column). It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Mobile to Bickmore, providing Bickmore the benefit of making an abbreviated frame representation of the original web site and allowing the user to select frame identifiers for each frame so the user can easier view sections of the web site on a smaller display.

In regard to dependent claim 29, Bickmore does not specifically mention displaying the graphical representation of the information page at the handheld viewing device; selecting a portion of the graphical representation; accessing the image map to determine a frame that corresponds to the portion of the graphical representation selected; and retrieving a graphical representation of the selected frame and displaying it on the handheld viewing device. However, Mobile mentions determining a frame layout associated with said multi-frame Web Page; generating a frame representation for indicating said frame layout, wherein said frame representation includes a plurality of geometric frame identifiers each corresponding to a corresponding frame of said plurality of frames, each geometric frame identifier being configured for individual selection by a user; displaying said frame representation on said electronic display

device such that said user can select anyone of said plurality of geometric frame identifiers to view corresponding one of said plurality of frames; and displaying on said electronic display device a selected frame corresponding to a selected geometric frame identifier in response to said user selecting said selected geometric frame identifier (page 538, right column, paragraph 3; page 538, right column, paragraph 5- page 539, left column). It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Mobile to Bickmore, providing Bickmore the benefit of making an abbreviated frame representation of the original web site and allowing the user to select frame identifiers for each frame so the user can easier view sections of the web site on a smaller display.

In regard to dependent claim 30, Bickmore discloses providing a uniform resource locator (URL) (Bickmore Paragraph 143 Line 36) and transmitting one of the uniform resource locators to the remote system (Bickmore Paragraph 143 Line 36 and Paragraph 29 Line 13).

Bickmore does not specifically mention associated with each of the plurality of frames identified by the image map. However, Mobile mentions determining a frame layout associated with said multi-frame Web Page; generating a frame representation for indicating said frame layout, wherein said frame representation includes a plurality of geometric frame identifiers each corresponding to a corresponding frame of said plurality of frames, each geometric frame identifier being configured for individual selection by a user; displaying said frame representation on said electronic display device such that said user can select anyone of said plurality of geometric frame

identifiers to view corresponding one of said plurality of frames; and displaying on said electronic display device a selected frame corresponding to a selected geometric frame identifier in response to said user selecting said selected geometric frame identifier (page 538, right column, paragraph 3; page 538, right column, paragraph 5- page 539, left column). It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Mobile to Bickmore, providing Bickmore the benefit of making an abbreviated frame representation of the original web site and allowing the user to select frame identifiers for each frame so the user can easier view sections of the web site on a smaller display.

In regard to dependent claim 32, Bickmore discloses if the information page does not include a plurality of frames (Bickmore Figure 5), then transmitting the information page to the handheld viewing device without abbreviating it into the graphical representation and the image map. (Bickmore Paragraph 94 Lines 49)

In regard to dependent claim 33, Bickmore does not specifically mention prior to the transmitting step, reducing the size of the graphical representation of the information page to match the display characteristics of the handheld viewing device. However, Mobile mentions determining a frame layout associated with said multi-frame Web Page; generating a frame representation for indicating said frame layout, wherein said frame representation includes a plurality of geometric frame identifiers each corresponding to a corresponding frame of said plurality of frames, each geometric frame identifier being configured for individual selection by a user; displaying said frame representation on said electronic display device such that said user can select

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anyone of said plurality of geometric frame identifiers to view corresponding one of said plurality of frames; and displaying on said electronic display device a selected frame corresponding to a selected geometric frame identifier in response to said user selecting said selected geometric frame identifier (page 538, right column, paragraph 3; page 538, right column, paragraph 5- page 539, left column). It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Mobile to Bickmore, providing Bickmore the benefit of making an abbreviated frame representation of the original web site and allowing the user to select frame identifiers for each frame so the user can easier view sections of the web site on a smaller display.

As per independent claim 34, the applicant discloses the limitations similar to those in claims 22-24. Claim 34 is similarly rejected.

As per dependent claim 35, the applicant discloses the limitations similar to those in claim 23. Claim 23 is similarly rejected.

As per dependent claim 36, the applicant discloses the limitations similar to those in claim 25. Claim 36 is similarly rejected.

As per dependent claim 37, the applicant discloses the limitations similar to those in claim 26. Claim 37 is similarly rejected.

As per dependent claim 38, the applicant discloses the limitations similar to those in claim 27. Claim 38 is similarly rejected.

As per dependent claim 39, the applicant discloses the limitations similar to those in claim 28. Claim 39 is similarly rejected.

As per dependent claim 40, the applicant discloses the limitations similar to those in claim 29. Claim 40 is similarly rejected.

As per dependent claim 41, the applicant discloses the limitations similar to those in claim 30. Claim 41 is similarly rejected.

As per dependent claim 43, the applicant discloses the limitations similar to those in claim 32. Claim 43 is similarly rejected.

As per dependent claim 44, the applicant discloses the limitations similar to those in claim 33. Claim 44 is similarly rejected.

As per independent claim 45, the applicant discloses the limitations similar to those in claim 22. Claim 45 is similarly rejected.

As per dependent claim 46, the applicant discloses the limitations similar to those in claim 22. Claim 46 is similarly rejected.

As per dependent claim 47, the applicant discloses the limitations similar to those in claim 23. Claim 47 is similarly rejected.

As per dependent claim 48, the applicant discloses the limitations similar to those in claim 24. Claim 48 is similarly rejected.

As per dependent claim 49, the applicant discloses the limitations similar to those in claim 29. Claim 49 is similarly rejected.

5. Claims 31, 42, and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bickmore and Mobile and further in view of Baecker et al. (herein

after Baecker) U.S. Patent 5,479,602 (Provided to the applicant in the previous office action).

In regard to dependent claim 31, Bickmore does not specifically mention a bitmap. However, Baecker mentions a bitmap (Baecker Col 4 Line 3-4) It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Baecker to Bickmore, providing Bickmore the benefit of using the icon bitmap as a small portion of random access memory, or a portion of the data storage device that is used to store a computer compatible representation of the icon as taught by Baecker Col 5 Lines 13-29.

As per dependent claim 42, the applicant discloses the limitations similar to those in claim 31. Claim 42 is similarly rejected.

As per dependent claim 50, the applicant discloses the limitations similar to those in claim 31. Claim 50 is similarly rejected.

Response to Arguments

6. Applicant's arguments with respect to claims 22-50 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kyle R. Stork whose telephone number is (571) 272-4130. The examiner can normally be reached on Monday-Friday (8:00-4:30).


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kyle R Stork
Patent Examiner
Art Unit 2178

krs


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PRIMARY EXAMINER